REMARKS

Claims 1, 4-13, 15, 17-18, 20, 22-33, and 35-96 were presented for examination in an Amendment and Response to Final Office Action under 37 C.F.R. §1.116 mailed November 3, 2004. The Examiner continued prosecution of this application and responded with a second Final Office Action mailed February 9, 2005.

In the current Final Office Action, claims 1, 4-13, 15, 17, 20, 22-33, 35-40, 42-58, 60-65, 67-76, 78-80, 82, 84, 85, 87, 88, 90, 92, 93, 94, and 96 stand rejected. Claims 18, 41, 59, 66, 77, 81, 83, 86, 89, 91, and 94 have been objected to as allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Thus, claims 1, 4-13, 15-18, 20, 22-33, and 35-96 are currently pending in this application, of which claims 1, 12, 13, 22, 37 and 46 are independent. Applicants submit that claims 1, 4-8, 11-13, 16, 20, 22-33, 35-96 are in condition for allowance.

The following comments address all stated grounds of rejection. Applicants respectfully traverse all rejections and urge the Examiner to pass the claims to allowance in view of the remarks set forth below.

CLAIM REJECTIONS UNDER 35 U.S.C. §102

I. Claims 1, 4-7, 11, 13, 17, 20, 71-75, 82, and 88 Rejected Under 35 U.S.C. §102

Claims 1, 4-7, 11, 13, 17, 20, 71-75, 82, and 88 are rejected under 35 U.S.C. §102(e) as anticipated by Carino, Jr. et al. (U.S. Patent No. 6,651,072 B1) ("Carino"). Claims 1 and 13 are independent claims. Claims 4-7, 11, and 88 depend on and incorporate the patentable subject matter of independent claim 1. Claims 17, 20, 71-75, and 88 depend on and incorporate the patentable subject matter of independent claim 13. Applicants respectfully traverse this rejection

and submit that Carino fails to disclose each and every element recited in claims 1, 4-7, 11, 13, 17, 20, 71-75, 82, and 88.

A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference. Each of the independent claims 1 and 13 are directed towards a method for receiving *a request to execute an application program on an application server on behalf of a client, executing the application program identified in the request,* and *transmitting encrypted output from execution of the application program over an application communication channel to the client via a remote display protocol.*

Carino does not disclose receiving *a request to execute an application program on an application server on behalf of a client, executing the application program identified in the request*, and *transmitting encrypted output from execution of the application program over an application communication channel to the client via a remote display protocol.* Rather, Carino is focused on a method and apparatus for efficiently providing large object data, such as multimedia objects, stored in a database management system to a receiving client. Carino describes receiving a database query from the client, transforming the database query into database management system commands transmitted to the database management system, and receiving a response from the database management system. In response to the query request, Carino associates the response from the database management system with a media object identifier for use by the client in obtaining the data object from an object server. Carino provides the client via an open database connectivity (ODBC) interface a status of the query request or a copy of the retrieved data object.

In contrast to the claimed invention, Carino does not *request to execute an application program on an application server on behalf of a client.* Instead, Carino requests the retrieval of

object data from a database management system. In additional contrast to the claimed invention, Carino does not *execute an application program identified in a request* but, instead, executes a database query and processes related media and data objects. In yet further contrast to the claimed invention, Carino also does not *transmit encrypted output from execution of the application program over an application communication channel to the client via a remote display protocol.* Rather, Carino transmits object data retrieved from the database management system via an ODBC interface to a receiving client. Moreover, Carino is not concerned with and does not discuss encrypting the transmission of output of an application running on an application server to display remotely on a client via a remote display protocol, such as the Remote Desktop Protocol or the Independent Computing Architecture protocol. As such, Carino does not disclose receiving a *request to execute an application program on behalf of a client, executing the application program identified in the request*, and *transmitting encrypted output from execution of the application program over an application communication channel to the client via a remote display protocol.*

Because Carino fails to disclose receiving *a request to execute an application program on an application server on behalf of a client, executing the application program identified in the request*, and *transmitting encrypted output from execution of the application program over an application communication channel to the client via a remote display protocol,* Applicants respectfully request the Examiner to reconsider and withdraw the rejection of claims 1, 4-7, 11, 13, 17, 20, 71-75, 82, and 88 under 35 U.S.C. §102.

CLAIM REJECTIONS UNDER 35 U.S.C. §103

II. Claims Rejected Under 35 U.S.C. §103

Claims 9, 10,12, 15, 22-33, 35-40, 42, 43-57, 60-65, 67-70, 78-80, 84, 85, 87, 90, 92, 93, 95, and 96 are rejected under 35 U.S.C. §103 as unpatentable over the Examiner cited references. For ease of the discussion below, each claim rejection under 35 U.S.C. §103 is discussed separately.

A. Claims Rejected Under 35 U.S.C. §103

Claims 12, 22-27, 29-33, 35-40, 46-50, 52-57, 64, 65, 68, 84, 85, 87, 90, 93, and 96 are rejected under 35 U.S.C. §103 as unpatentable over Carino in view of Anderson et al. (U.S. Patent No. 6,108,787) ("Anderson"). Claims 12, 22, 37, and 46 are independent claims. Claims 64, 65, 68, 85, 87, and 90 depend on and incorporate the patentable subject matter of independent claim 12. Claims 23-27, 29-33, and 35-36 depend on and incorporate the patentable subject matter of independent claim 22. Claims 38-40 and 93 depend on and incorporate the patentable subject matter of independent claim 37. Claims 47-50, 52-57, and 96 depend on and incorporate the patentable subject matter of independent claim 46. Applicants respectfully traverse this rejection and submit that Carino in view of Anderson fails to teach or suggest each and every element recited in claims 12, 22-27, 29-33, 35-40, 46-50, 52-57, 64, 65, 68, 84, 85, 87, 90, 93, and 96.

B. Independent Claims 12, 22, 37, and 46 Patentably Distinguished

To establish *prima facie* obviousness of a claimed invention, all the claim limitations must be taught or suggested by the prior art. Independent claims 12, 22, 37, and 46 are directed towards a method and systems respectively. These independent claims recite receiving *a request to execute an application program on an application server on behalf of a client,* and *transmitting encrypted output from execution of the application program over an application communication channel to the client via a remote display protocol.*

Carino in view of Anderson does not teach or suggest receiving *a request to execute an application program on an application server on behalf of a client,* and *transmitting encrypted output from execution of the application program over an application communication channel to the client via a remote display protocol.* As discussed above, Carino does not disclose receiving *a request to execute an application program on an application server on behalf of a client,* and *transmitting encrypted output from execution of the application program over an application communication channel to the client via a remote display protocol.* Since Carino is focused on efficiently providing large object data stored in a database management system to a receiving client, Carino does not teach or suggest encrypting the transmission of output of an application running on an application server to display remotely on a client via a remote display protocol.

The Examiner cites Anderson only to suggest one ordinarily skilled in the art might modify Carino to use a remote display protocol. Anderson does not teach or suggest *transmitting encrypted output from execution of the application program over an application communication channel to the client via a remote display protocol.* In contrast to the claimed invention, Anderson teaches away from using encryption and avoids cryptographic entities by using a different approach (see Anderson, column 2, lines 19-20). Anderson uses an information switch

(20, Figure 3) rather than encryption facilities to transmit data from a lower classification system (10, Figure 3) to a higher classification system (20, Figure 3). As such, Anderson fails to bridge the factual deficiencies of Carino. Therefore, Carino in view of Anderson does not teach or suggest receiving *a request to execute an application program on an application server on behalf of a client,* and *transmitting encrypted output from execution of the application program over an application communication channel to the client via a remote display protocol.*

Because Carino in view of Anderson fails to disclose, teach, or suggest receiving a *request to execute an application program on an application server on behalf of a client,* and to *transmit encrypted output from execution of the application program over an application communication channel to the client*, Applicants submit that claims 12, 22-27, 29-33, 35-40, 46-50, 52-57, 64, 65, 68, 84, 85, 87, 90, 93 and 96 are patentable and in condition for allowance. Applicants therefore request the withdrawal of the Examiner's rejection of claims 2, 22-27, 29-33, 35-40, 46-50, 52-57, 64, 65, 68, 84, 85, 87, 90, 93 and 96 under 35 U.S.C. §103.

B. Patentability of Claims Dependent on Independent Claims 12, 22, 37, and 46

Claims 8 and 76, are rejected under 35 U.S.C. §103 as unpatentable over Carino in view of Johnson et al (US 5,560,008) ("Johnson"). Claims 9, 10, 78, and 79 are rejected under 35 U.S.C. §103 as unpatentable over Carino in view of Davis (US 5,818,939) ("Davis"). Claim 15 is rejected under 35 U.S.C. §103 as unpatentable over Carino in view of Gifford (US 6,049,785) ("Gifford"). Claims 28 and 51 are rejected under 35 U.S.C. §103 as unpatentable over Carino in view of Anderson and in further view of Johnson et al. (US 5,560,008) ("Johnson"). Claims 42, 63, and 67 are rejected under 35 U.S.C. §103 as unpatentable over Carino in view of Anderson and in further view of Baskey et al. (US 6,049,785) ("Baskey"). Claims 43 and 60 are rejected

under 35 U.S.C. §103 as unpatentable over Carino in view of Anderson and in view of Gifford. Claims 44, 45, 61, 62, 69, and 70 are rejected under 35 U.S.C. §103 as unpatentable over Carino in view of Anderson and in further view of Davis. Claim 80 is rejected under 35 U.S.C. §103 as unpatentable over Carino in view of Gifford. Claims 84 and 90 are rejected under 35 U.S.C. §103 as unpatentable over Carino in view of Anderson. Claims 92 and 95 are rejected under 35 U.S.C. §103 as being unpatentable over Carino in view of Anderson and in further view of Anderson.

Claims 8, 9, 10, 80, and 84 depend on and incorporate the patentable subject matter of independent claim 1. Claims 15, 67, 69, 70, and 90 depend on and incorporate the patentable subject matter of independent claim 12. Claims 15, 76, 78, and 79 depend on and incorporate the patentable subject matter of independent claim 13. Claims 28 and 67 depend on and incorporate the patentable subject matter of independent claim 22. Claims 42-45 and 92 depend on and incorporate the patentable subject matter of independent claim 37. Claims 51, 60-63, and 95 depend on and incorporate the patentable subject matter of independent claim 46. Applicants respectfully traverse these rejections and submit that Carino in view of Anderson, Johnson, Davis, Gifford, and Baskey fails to teach or suggest each and every limitation recited in claims 8, 9, 10, 15, 28, 42, 43, 44, 45, 51, 60, 61, 62, 63, 67, 69, 70, 76, 78, 79, 80, 84, 92, and 95.

To establish *prima facie* obviousness of a claimed invention, all the claim limitations must be taught or suggested by the prior art. As discussed above, Carino does not disclose, teach, or suggest receiving *a request to execute an application program on an application server on behalf of a client,* and *transmitting encrypted output from execution of the application program over an application communication channel to the client via a remote display protocol.* Furthermore, none of the cited references disclose, teach, or suggest receiving *a request to*

execute an application program on an application server on behalf of a client, and *transmitting encrypted output from execution of the application program over an application communication channel to the client via a remote display protocol.* Gifford is used only to suggest one of ordinarily skill in the art might modify Carino so that an identifier that is a nonce. Johnson is used merely to suggest one of ordinarily skill in the art might modify Carino so that the web server validates the identifier when the identifier is received by the web server within a predetermined time frame. Baskey is used to suggest one of ordinarily skill in the art might modify Carino so that secure socket layer technology is used to establish the secure web communication channel. Davis is used only to suggest one of ordinarily skill in the art might modify Carino so that the session key is equivalent to a null value. Anderson is used merely to suggest one of ordinarily skill in the art might modify Carino so that the remote display protocol is the Remote Display Protocol. As such, none of the cited references, singularly or in combination with Carino disclose, teach, or suggest receiving *a request to execute an application program on an application server on behalf of a client,* and *transmitting encrypted output from execution of the application program over an application communication channel to the client via a remote display protocol.*

Because Carino in view of Anderson, Johnson, Davis, Gifford, and Baskey fails to disclose, teach, or suggest receiving *a request to execute an application program on an application server on behalf of a client,* and *transmitting encrypted output from execution of the application program over an application communication channel to the client via a remote display protocol*, Applicants submit that claims 8, 9, 10, 15, 28, 42, 43, 44, 45, 51, 60, 61, 62, 63, 67, 69, 70, 76, 78, 79, 80, 84, 92, and 95 are patentable and in condition for allowance. Applicants therefore request the Examiner to reconsider and withdraw the Examiner's rejection

of claims 8, 9, 10, 15, 28, 42, 43, 44, 45, 51, 60, 61, 62, 63, 67, 69, 70, 76, 78, 79, 80, 84, 92, and 95 under 35 U.S.C. §103.

CONCLUSION

In light of the aforementioned arguments, Applicants contend that each of the Examiners rejections has been adequately addressed and all of the pending claims are in condition for allowance. Accordingly, Applicants respectfully request reconsideration, withdrawal of all grounds of rejection, and allowance of all of the pending claims.

Should the Examiner feel that a telephone conference with Applicants' attorney would expedite prosecution of this application, the Examiner is urged to contact the Applicants' attorney at the telephone number identified below.

Respectfully submitted,

LAHIVE & COCKFIELD, LLP

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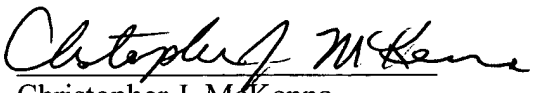

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